

**This Page is Inserted by IFW Indexing and Scanning
Operations and is not part of the Official Record**

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- ☐ BLACK BORDERS
- ☐ IMAGE CUT OFF AT TOP, BOTTOM OR SIDES
- ☐ FADED TEXT OR DRAWING
- ☐ BLURRED OR ILLEGIBLE TEXT OR DRAWING
- ☐ SKEWED/SLANTED IMAGES
- ☐ COLOR OR BLACK AND WHITE PHOTOGRAPHS
- ☐ GRAY SCALE DOCUMENTS
- ☐ LINES OR MARKS ON ORIGINAL DOCUMENT
- ☐ REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY
- ☐ OTHER: _____

IMAGES ARE BEST AVAILABLE COPY.

As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/802,716	03/08/2001	Hussein Farouk Salama	2705-161	7874

20575 7590 10/06/2004

MARGER JOHNSON & MCCOLLOM PC
1030 SW MORRISON STREET
PORTLAND, OR 97205

EXAMINER

NEURAUTER, GEORGE C

ART UNIT PAPER NUMBER

2143

DATE MAILED: 10/06/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No. 09/802,716	Applicant(s) SALAMA, HUSSEIN FAROUK	
	Examiner George C. Neurauter, Jr.	Art Unit 2143	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 08 March 2001.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-14 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-14 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 08 March 2001 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

Art Unit: 2143

DETAILED ACTION

1. Claims 1-14 are currently presented and have been examined.

Claim Objections

Claim 1 is objected to because of the following informalities:

Claim 1 recites "creating at least two routing information database..." "Database" should be "databases".

Claim 1 also recites "receiving registration information from gateways..." In order to avoid antecedent basis issues, the claims should read "...at least two gateways..."

Appropriate correction is required.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1-14 are rejected under 35 U.S.C. 102(e) as being anticipated by US Patent Application Publication 2002/0114282 A1 to MeLampy et al.

Art Unit: 2143

Regarding claim 1, MeLampy discloses a method for providing virtual private networks (paragraph 0011-0012) for voice over data network applications, the method comprising:

a) creating at least two routing information database (referred to throughout the reference as "telephony routing information base or "TRIB") on a location server; (paragraph 0109)

b) defining a virtual private network for each routing information database; (paragraph 0071 and 0072, specifically paragraph 0072, last sentence)

c) receiving registration information from gateways in communication with the location server; (paragraphs 0077 and 0105) and

d) associating each gateway with one of the virtual private networks. (paragraphs 0070, 0072, and 0109)

Regarding claim 2, MeLampy discloses the method of claim 1, wherein the method further comprises assigning an identifier ("carrier name") for each virtual private network. (paragraph 0072, specifically the last sentence; paragraph 0091, specifically the last sentence)

Regarding claim 3, MeLampy discloses the method of claim 1, wherein the method further comprises communicating the registration information to other location servers in the same

Art Unit: 2143

network telephony administrative domain. (paragraphs 0067, 0105 and 0125)

Regarding claim 4, McLampy discloses the method of claim 1, wherein the data network uses Internet Protocol. (paragraph 0009)

Regarding claim 5, McLampy discloses the method of claim 4, wherein the routing information database is a telephony routing over IP routing information base. ("TRIB"; paragraph 0070)

Regarding claim 6, McLampy discloses the method of claim 1, wherein the method further comprises leaking a global routing information database to a routing information database for a particular virtual private network. (paragraphs 0067, 0071, 0072, and 0114, specifically paragraph 0114)

Regarding claim 7, McLampy discloses a network device, comprising:

a) more than one routing information database; (paragraph 0109)

b) at least one port operable to receive registration information from gateways in communication with the network device; (paragraphs 0075, 0077, 0105, and 0453) and

c) an association table operable to associate each gateway with a routing information database, thereby associating each

Art Unit: 2143

gateway with a virtual private network. (paragraphs 0070, 0072, and 0109)

Regarding claim 8, McLampy discloses the network device of claim 7, wherein the device further comprises an interface through which the device communicates with other devices having routing information databases to synchronize information contained in the routing information databases between the devices. (paragraphs 0067, 0075, 0105 and 0125)

Regarding claim 9, McLampy discloses the network device of claim 7, wherein the device is a server. (paragraph 0105)

Regarding claim 10, McLampy discloses the network device of claim 7, wherein the device is a router. (paragraph 0105)

Regarding claim 11, McLampy discloses an article including instructions that, when executed, result in:

a) creation of at least two routing information databases on a network device; (paragraph 0109)

b) definition of a virtual private network for each routing information database; (paragraph 0071 and 0072, specifically paragraph 0072, last sentence)

c) reception of registration information from gateways in communication with the location server; (paragraphs 0077 and 0105) and

Art Unit: 2143

d) association of each gateway with one of the virtual private networks. (paragraphs 0070, 0072, and 0109)

Regarding claim 12, MeLampy discloses the article of claim 10, wherein the article further comprises a downloadable file. (paragraph 0107)

Regarding claim 13, MeLampy discloses the article of claim 10, wherein the article further comprises a processor having the instructions stored in memory. (paragraph 0107)

Regarding claim 14, MeLampy discloses a network device, comprising;

a) means for providing more than one routing information base; (paragraph 0109)

b) means for defining a virtual private network for each routing information base; (paragraph 0071 and 0072, specifically paragraph 0072, last sentence)

c) means for receiving registration information from gateways in communication with the network device; (paragraphs 0077 and 0105) and

d) means for associating each gateway with one of the virtual private networks. (paragraphs 0070, 0072, and 0109)

Art Unit: 2143

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

US Patent 6 278 707 B1 to MacMillan et al;

US Patent 6 529 499 B1 to Doshi et al;

US Patent 6 741 585 B1 to Munoz et al;

US Patent Application Publication 20020027915 A1 to Foti et al;

US Patent Application Publication 20020075844 A1 to Hagen et al;

US Patent Application Publication 20020112073 A1 to MeLampy et al;

US Patent Application Publication 20020145975 A1 to MeLampy et al;

US Patent Application Publication 20020169887 A1 to MeLampy et al;

Rosenberg, J. and Schulzrinne, H. "Request for Comments (RFC) 2871: A Framework for Telephony Routing over IP", June 2000, 25 pages.

NOTE: Effective 29 October 2004, the examiner will be moving to a new office location and may be reached at 571-272-3918.


Art Unit: 2143

Any inquiry concerning this communication or earlier communications from the examiner should be directed to George C. Neurauter, Jr. whose telephone number is 703-305-4565. The examiner can normally be reached on Thursday 1-2pm EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Wiley can be reached on 703-308-5221. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

gcn


DAVID WILEY
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100